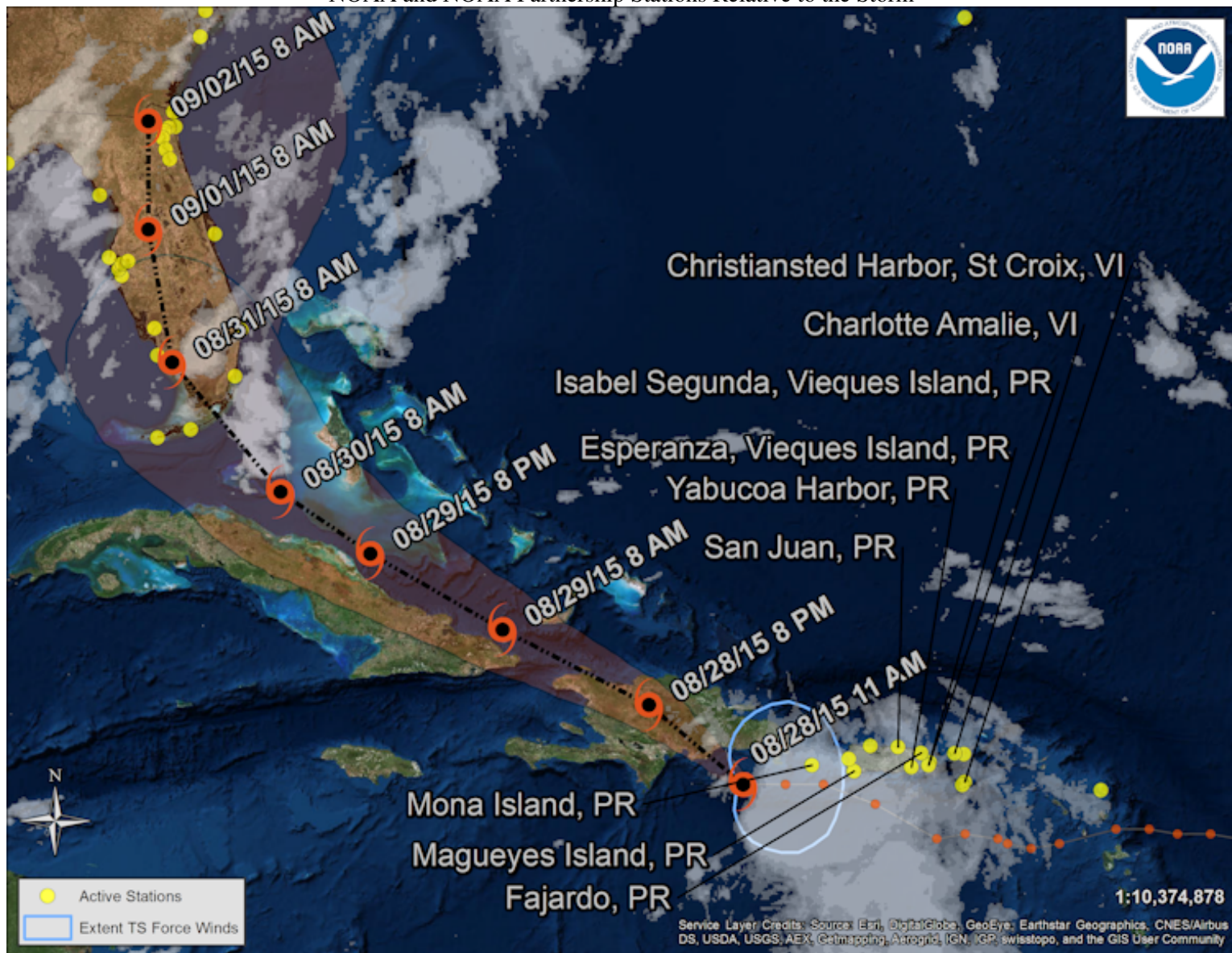


Tropical Storm ERIKA QuickLook
Posted: 12:00 AST 08/28/2015

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 08/28/2015 12:00 AST, water levels along the coasts of the U.S. Virgin Islands and Puerto Rico are slightly elevated and range between 0.1 and 0.7 feet above tidal predictions. Wind speeds are decreasing but gusts have reached 35 knots measured at Esperanza, Vieques Island and Fajardo, PR. Barometric pressure has begun to increase at most locations.

Tropical Storm ERIKA QuickLook, POSTED 12:00 AST 08/28/2015

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur.

For additional data, please see the Center for Operational Oceanographic Products & Services website. For more information or archived products and reports, please see the Storm QuickLook Homepage.

Analyst: ADW

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL STORM ERIKA ADVISORY NUMBER 15
NWS NATIONAL HURRICANE CENTER MIAMI FL AL052015
1100 AM AST FRI AUG 28 2015

...CENTER OF ERIKA NOW SOUTH OF THE EASTERN DOMINICAN REPUBLIC...
...TROPICAL STORM WATCH ISSUED FOR PORTIONS OF CUBA...

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY:

The Tropical Storm Warning has been discontinued for the U. S. Virgin Islands.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

A Tropical Storm Warning is in effect for...

- * Puerto Rico
- * Vieques
- * Culebra

A Tropical Storm Warning means that tropical storm conditions are expected somewhere within the warning area.

Interests elsewhere in eastern and central Cuba, as well as the southern Florida Peninsula and Florida Keys, should monitor the progress of Erika.

For storm information specific to your area in the United States, including possible inland watches and warnings, please monitor products issued by your local National Weather Service forecast office. For storm information specific to your area outside the United States, please monitor products issued by your national meteorological service.

DISCUSSION AND 48-HOUR OUTLOOK

At 1100 AM AST, the center of Tropical Storm Erika was located ABOUT 65 MI SSE OF SANTO DOMINGO DOMINICAN REPUBLIC AND ABOUT 340 MI SE OF GREAT INAGUA ISLAND. Erika is moving toward the west-northwest near 18 mph and this general motion is expected to continue for the next 48 hours. On the forecast track, the center of Erika will move over the Dominican Republic this afternoon, move near the Turks and Caicos Islands tonight, and move near the central and northwestern Bahamas Saturday and Saturday night.

Tropical Storm ERIKA QuickLook, POSTED 12:00 AST 08/28/2015

Reports from an Air Force Reserve Hurricane Hunter aircraft indicate that maximum sustained winds are near 50 mph with higher gusts. Some weakening is forecast this afternoon and tonight as Erika moves over land, followed by little change in strength through Saturday night.

Tropical storm force winds extend outward up to 150 miles to the east of the center. Punta Cana at the eastern end of the Dominican Republic recently reported a wind gust of 40 mph.

The minimum central pressure based on Hurricane Hunter aircraft data is 1008 mb.

HAZARDS AFFECTING LAND

WIND: Tropical storm conditions affecting Puerto Rico will continue for the next several hours before subsiding later today. Tropical storm conditions are currently spreading across portions of the Dominican Republic. Tropical storm conditions are expected to spread across Haiti today, the Turks and Caicos Islands and the southeastern Bahamas later today and tonight, and the central Bahamas on Saturday. Tropical storm conditions are possible in the northwestern Bahamas by Saturday night.

RAINFALL: Erika is expected to produce total rainfall accumulations of 3 to 6 inches with maximum amounts of 10 inches possible across portions of the Dominican Republic and Haiti, the Turks and Caicos Islands, and the southeastern and central Bahamas through Saturday. An additional 1 to 2 inches is expected for Puerto Rico. These rains could cause life-threatening flash floods and mud slides.

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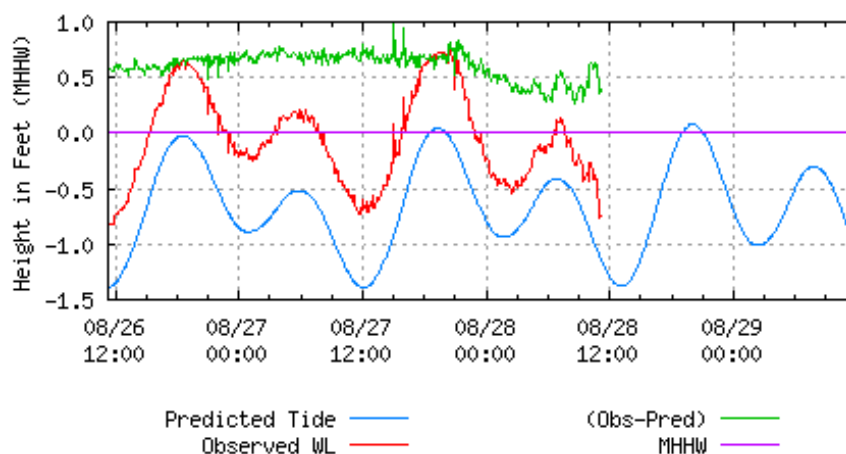
Forecaster Beven

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Isabel Segunda, Vieques Island - Water Level](#), [Isabel Segunda, Vieques Island - Winds](#), [Esperanza, Vieques Island - Water Level](#), [Esperanza, Vieques Island - Winds](#), [Esperanza, Vieques Island - Barometric](#), [Fajardo - Water Level](#), [Fajardo - Winds](#), [Yabucoa Harbor - Water Level](#), [Yabucoa Harbor - Winds](#), [San Juan - Water Level](#), [San Juan - Winds](#), [Magueyes Island - Water Level](#), [Magueyes Island - Winds](#), [Mona Island - Water Level](#), [Charlotte Amalie - Water Level](#), [Charlotte Amalie - Winds](#), [Charlotte Amalie - Barometric](#), [Christiansted Harbor, St Croix - Water Level](#)

Tropical Storm ERIKA QuickLook, POSTED 12:00 AST 08/28/2015

NOAA/NOS/CO-OPS 9752619 Isabel Segunda, Vieques Island, PR
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



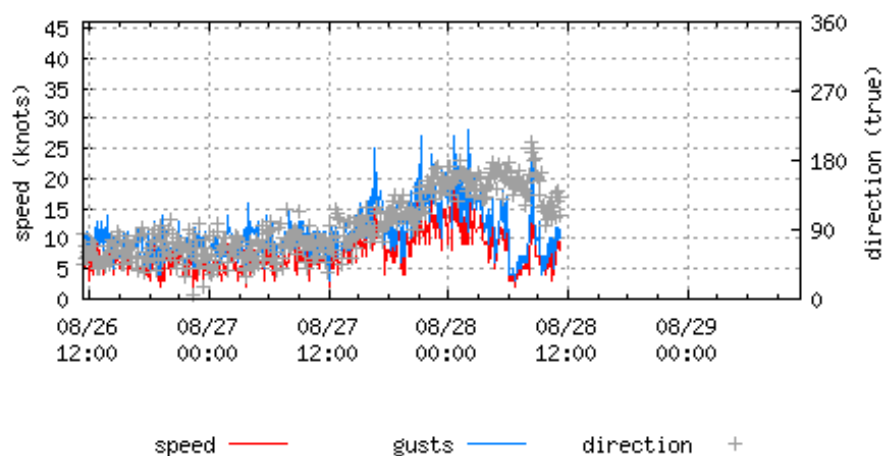
Last Observed Sample: 08/28/2015 11:18 (AST). Data relative to MHHW

Observed: -0.82 ft. Predicted: -1.17 ft. Residual: 0.35 ft.

Historical Maximum Water Level: n/a

Next High Tide: 08/28/2015 20:02 (AST), 0.08 ft.

NOAA/NOS/CO-OPS 9752619 Isabel Segunda, Vieques Island, PR
Wind Speed / Gusts / Direction

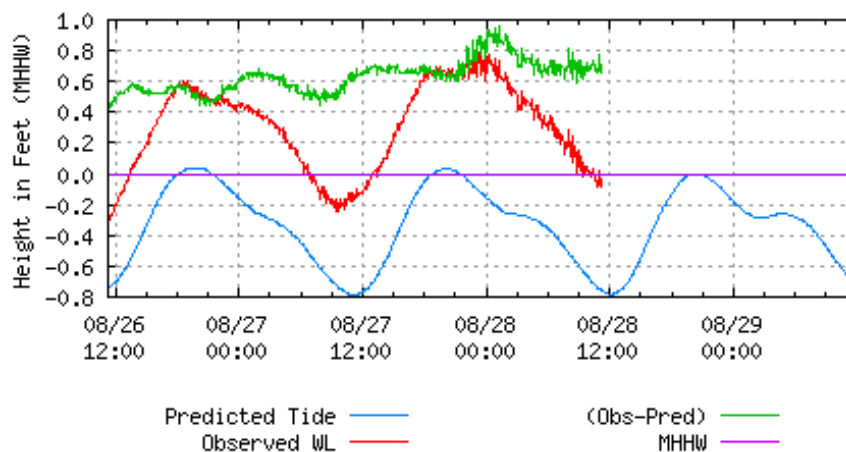


Last Observed Sample: 08/28/2015 11:18 (AST)

Wind Speed: 7 knots Gusts: 12 knots Direction: 111° T

NOAA/NOS/CO-OPS 9752695 Esperanza, Vieques Island, PR

Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 08/28/2015 11:18 (AST). Data relative to MHHW

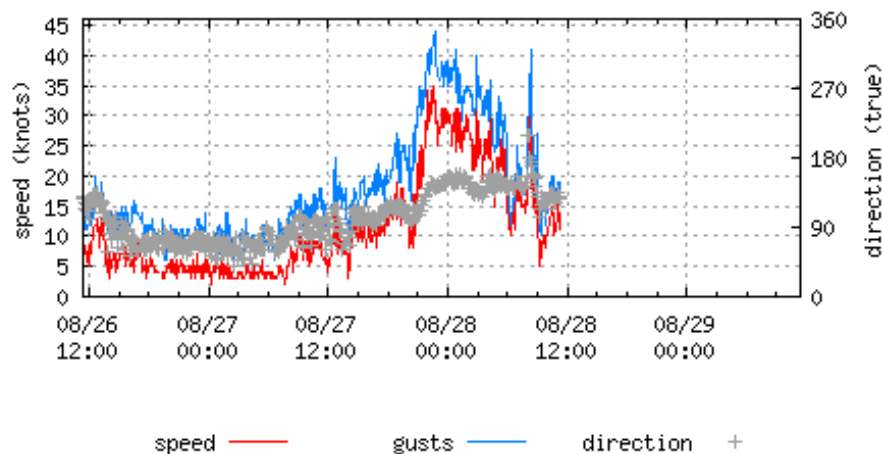
Observed: -0.09 ft. Predicted: -0.76 ft. Residual: 0.67 ft.

Historical Maximum Water Level: Aug 22 2011, 0.99 ft.

Next High Tide: 08/28/2015 20:17 (AST), -0.01 ft.

NOAA/NOS/CO-OPS 9752695 Esperanza, Vieques Island, PR

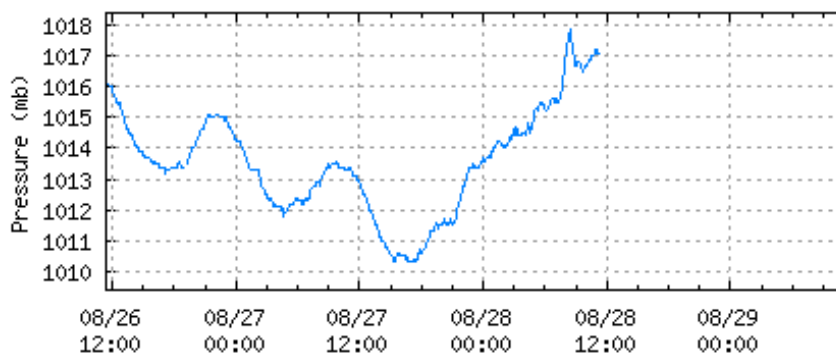
Wind Speed / Gusts / Direction



Last Observed Sample: 08/28/2015 11:18 (AST)

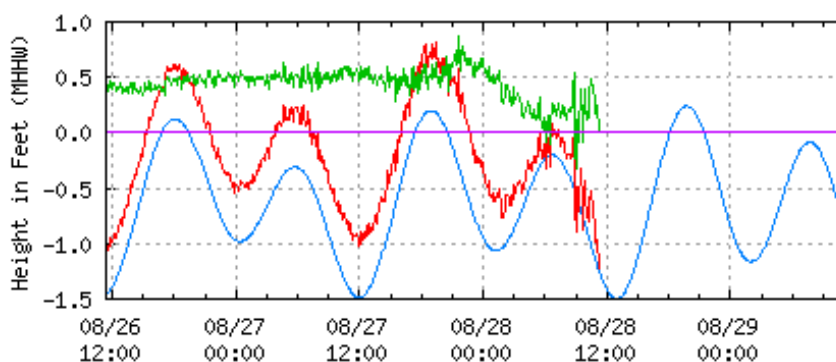
Wind Speed: 11 knots Gusts: 19 knots Direction: 127° T

NOAA/NOS/CO-OPS 9752695 Esperanza, Vieques Island, PR
Barometric Pressure



barometric pressure —
Last Observed Sample: 08/28/2015 11:18 (AST)
Barometric Pressure: 1017.1 mb

NOAA/NOS/CO-OPS 9753216 Fajardo, PR
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

Last Observed Sample: 08/28/2015 11:18 (AST). Data relative to MHHW

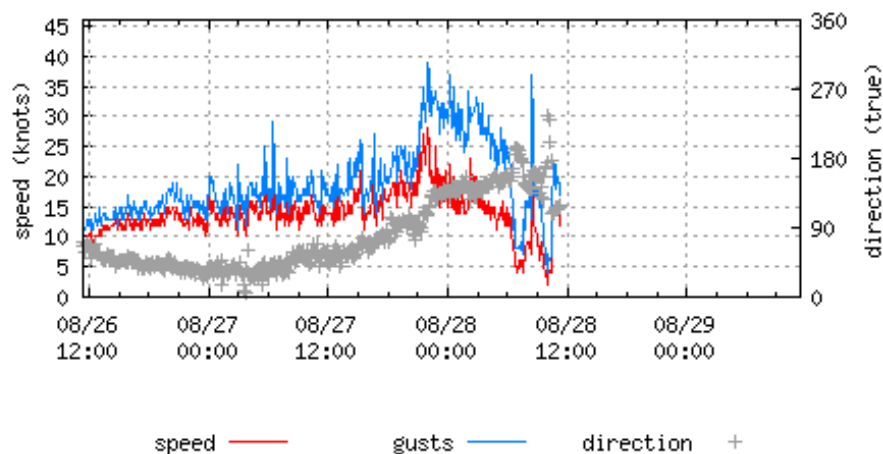
Observed: -1.19 ft. Predicted: -1.27 ft. Residual: 0.08 ft.

Historical Maximum Water Level: Aug 30 2010, 0.84 ft.

Next High Tide: 08/28/2015 19:43 (AST), 0.24 ft.

NOAA/NOS/CO-OPS 9753216 Fajardo, PR

Wind Speed / Gusts / Direction

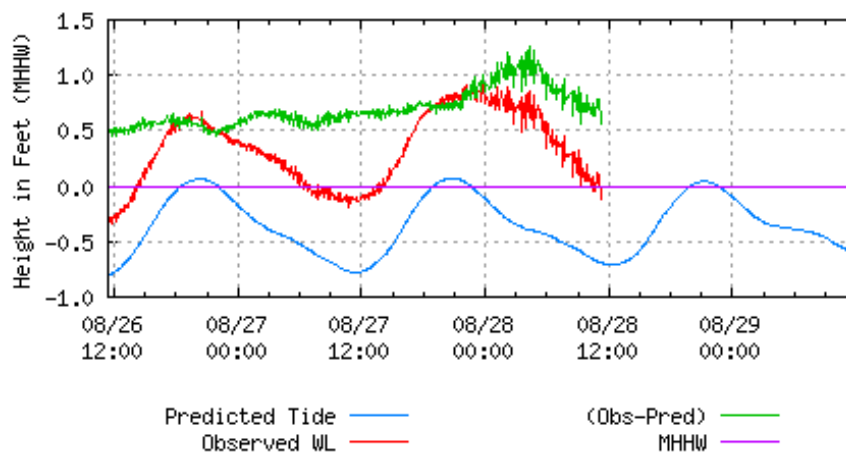


Last Observed Sample: 08/28/2015 11:18 (AST)

Wind Speed: 12 knots Gusts: 17 knots Direction: 118° T

NOAA/NOS/CO-OPS 9754228 Yabucoa Harbor, PR

Preliminary Water Level, relative to Mean Higher High Water (MHHW)

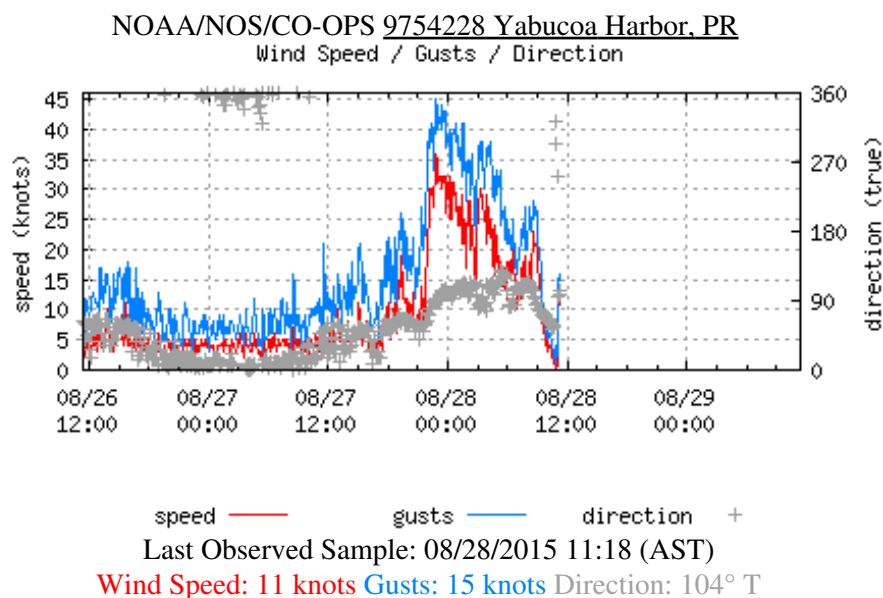


Last Observed Sample: 08/28/2015 11:18 (AST). Data relative to MHHW

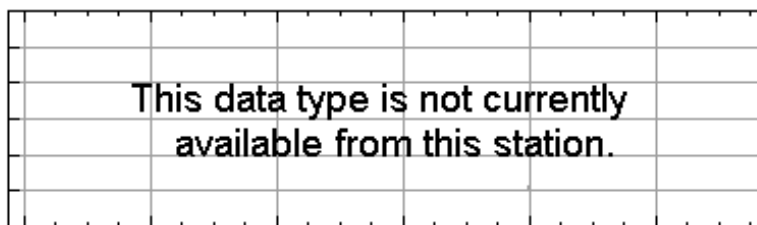
Observed: -0.07 ft. Predicted: -0.70 ft. Residual: 0.63 ft.

Historical Maximum Water Level: n/a

Next High Tide: 08/28/2015 21:14 (AST), 0.04 ft.



NOAA/NOS/CO-OPS 9755371 San Juan, PR
NOAA/NOS/CO-OPS



Last Observed Sample: 08/28/2015 11:12 (AST). Data relative to MHHW

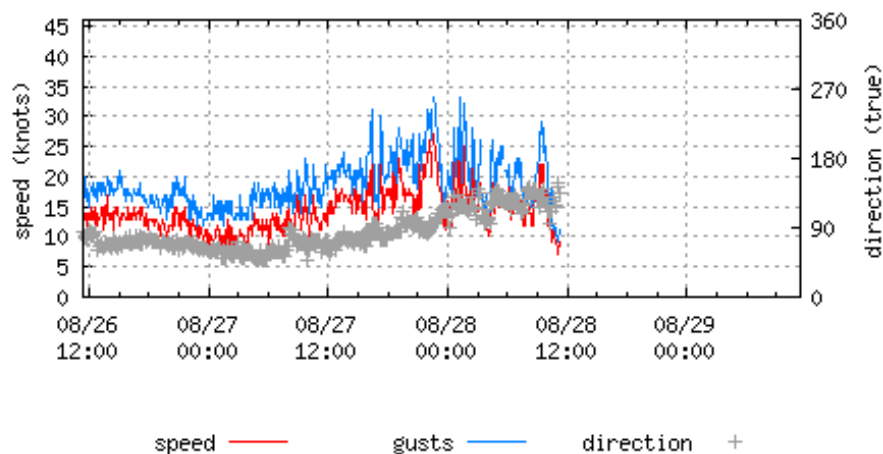
Observed: -1.17 ft. Predicted: -1.19 ft. Residual: 0.02 ft.

Historical Maximum Water Level: Sep 18 1989, 2.77 ft.

Next High Tide: 08/28/2015 20:08 (AST), 0.35 ft.

NOAA/NOS/CO-OPS 9755371 San Juan, PR

Wind Speed / Gusts / Direction

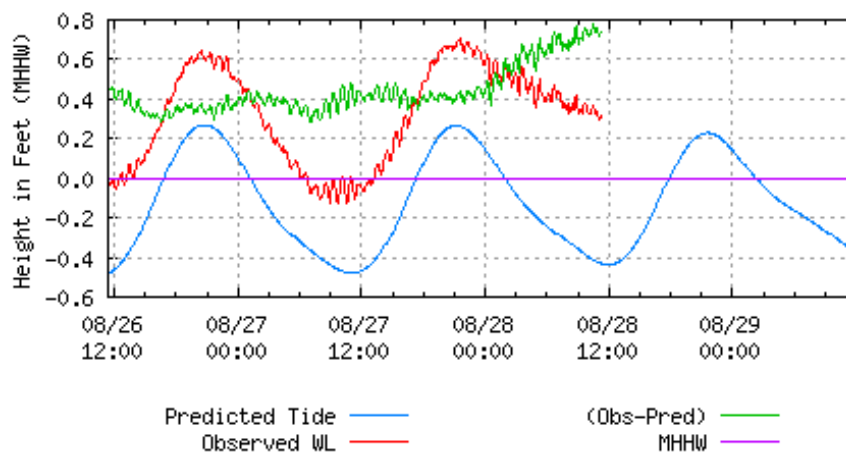


Last Observed Sample: 08/28/2015 11:12 (AST)

Wind Speed: 9 knots Gusts: 11 knots Direction: 135° T

NOAA/NOS/CO-OPS 9759110 Magueyes Island, PR

Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Last Observed Sample: 08/28/2015 11:18 (AST). Data relative to MHHW

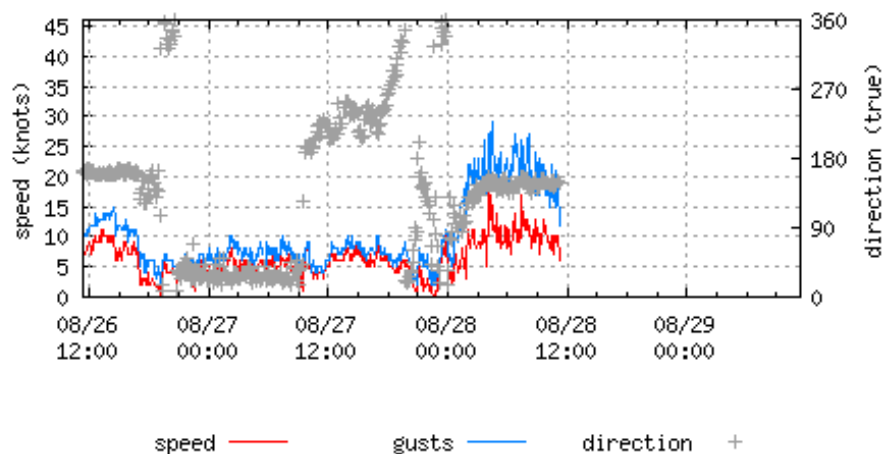
Observed: 0.30 ft. Predicted: -0.44 ft. Residual: 0.74 ft.

Historical Maximum Water Level: Sep 22 1998, 1.60 ft.

Next High Tide: 08/28/2015 21:35 (AST), 0.23 ft.

NOAA/NOS/CO-OPS 9759110 Magueyes Island, PR

Wind Speed / Gusts / Direction

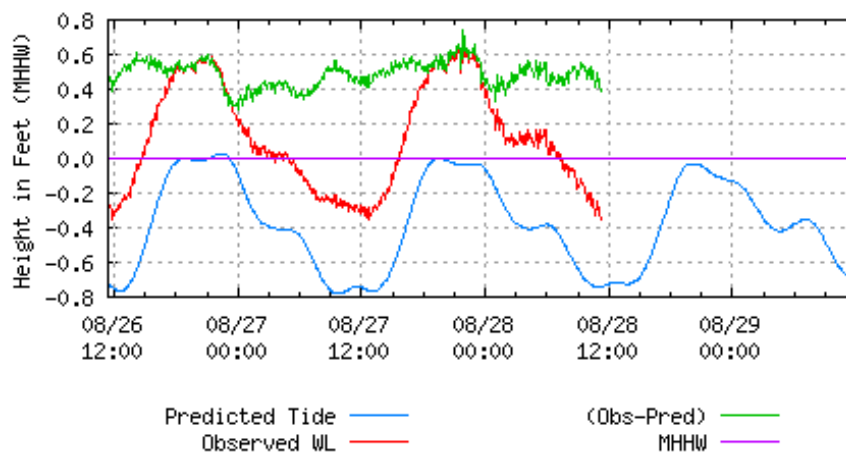


Last Observed Sample: 08/28/2015 11:18 (AST)

Wind Speed: 6 knots Gusts: 12 knots Direction: 148° T

NOAA/NOS/CO-OPS 9759938 Mona Island, PR

Preliminary Water Level, relative to Mean Higher High Water (MHHW)

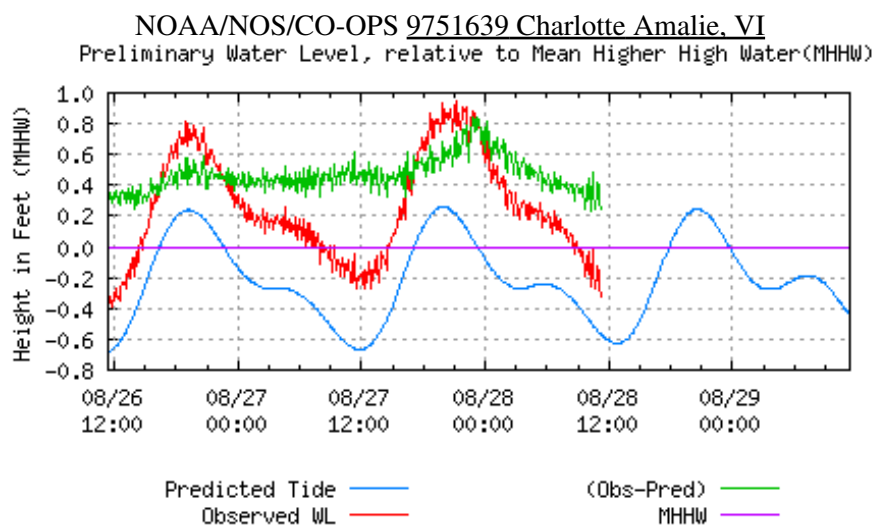


Last Observed Sample: 08/28/2015 11:18 (AST). Data relative to MHHW

Observed: -0.35 ft. Predicted: -0.74 ft. Residual: 0.39 ft.

Historical Maximum Water Level: Dec 23 2010, 1.26 ft.

Next High Tide: 08/28/2015 20:07 (AST), -0.03 ft.

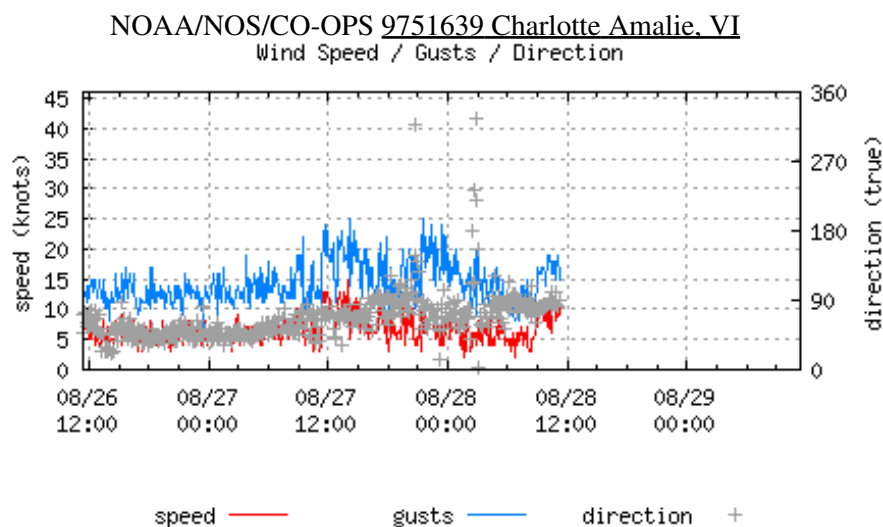


Last Observed Sample: 08/28/2015 11:18 (AST). Data relative to MHHW

Observed: -0.33 ft. Predicted: -0.58 ft. Residual: 0.25 ft.

Historical Maximum Water Level: Sep 16 1995, 2.93 ft.

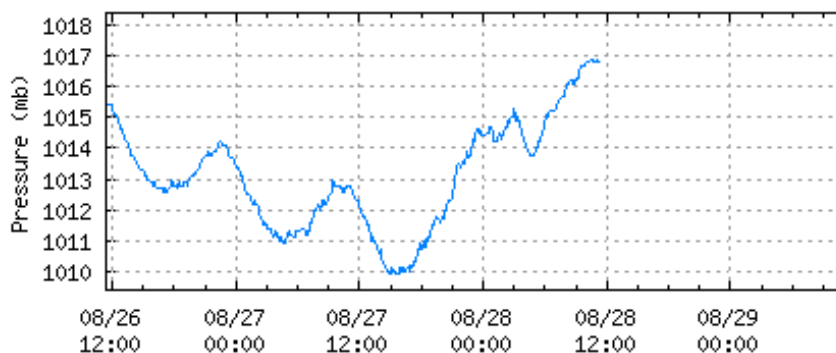
Next High Tide: 08/28/2015 20:35 (AST), 0.24 ft.



Last Observed Sample: 08/28/2015 11:18 (AST)

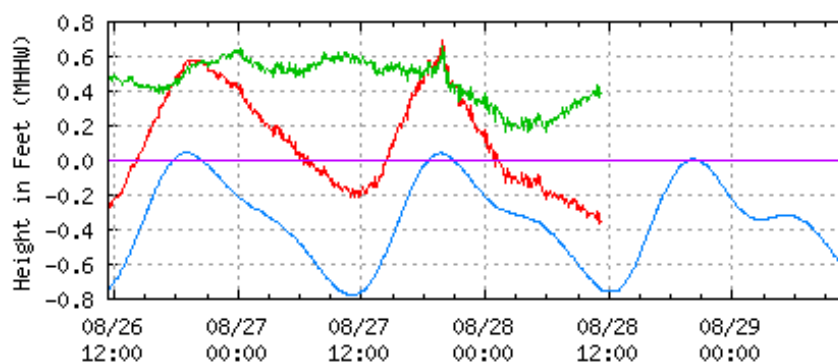
Wind Speed: 9 knots Gusts: 15 knots Direction: 89° T

NOAA/NOS/CO-OPS 9751639 Charlotte Amalie, VI
Barometric Pressure



barometric pressure —
Last Observed Sample: 08/28/2015 11:18 (AST)
Barometric Pressure: 1016.8 mb

NOAA/NOS/CO-OPS 9751364 Christiansted Harbor, St Croix, VI
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

Last Observed Sample: 08/28/2015 11:12 (AST). Data relative to MHHW

Observed: -0.35 ft. Predicted: -0.74 ft. Residual: 0.39 ft.

Historical Maximum Water Level: Oct 16 2008, 1.17 ft.

Next High Tide: 08/28/2015 20:12 (AST), 0.01 ft.

Tropical Storm ERIKA QuickLook, POSTED 12:00 AST 08/28/2015

Latest Water Level Observations on MHHW

Station ID	Station Name	Date/Time	Observed Water Level	Predicted Tide	Residual Water Level	24 Hour Maximum Storm Tide
9752619	Isabel Segunda, Vieques Island, PR	08/28/2015 11:18 (AST)	-0.82 ft	-1.17 ft	0.35 ft	0.77 ft
9752695	Esperanza, Vieques Island, PR	08/28/2015 11:18 (AST)	-0.09 ft	-0.76 ft	0.67 ft	0.79 ft
9753216	Fajardo, PR	08/28/2015 11:18 (AST)	-1.19 ft	-1.27 ft	0.08 ft	0.81 ft
9754228	Yabucoa Harbor, PR	08/28/2015 11:18 (AST)	-0.07 ft	-0.70 ft	0.63 ft	0.94 ft
9755371	San Juan, PR	08/28/2015 11:12 (AST)	-1.17 ft	-1.19 ft	0.02 ft	0.81 ft
9759110	Magueyes Island, PR	08/28/2015 11:18 (AST)	0.30 ft	-0.44 ft	0.74 ft	0.70 ft
9759938	Mona Island, PR	08/28/2015 11:18 (AST)	-0.35 ft	-0.74 ft	0.39 ft	0.71 ft
9751639	Charlotte Amalie, VI	08/28/2015 11:18 (AST)	-0.33 ft	-0.58 ft	0.25 ft	0.95 ft
9751364	Christiansted Harbor, St Croix, VI	08/28/2015 11:12 (AST)	-0.35 ft	-0.74 ft	0.39 ft	0.69 ft

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce